

# PATENT ABSTRACTS OF JAPAN

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**(54) NOVOLAC PHENOLIC RESIN COMPOSITION FOR FRICTION MATERIAL**

(57)Abstract:

**PURPOSE:** To obtain a novolac phenolic resin composition excellent in frictional properties, workability and environmental protection by specifying the contents of mononuclear and binuclear components in the novolac phenolic resin.

**CONSTITUTION:** The composition comprises a novolac phenolic resin obtained by using a phenol and a formaldehyde as the essential components and having a mononuclear component content of 1wt.% or below and a binuclear component content of 2wt.% or below. This resin desirably has a number-average molecular weight of 300-800 and a number-average molecular weight to weight-average molecular weight ratio of 1.0-2.0.